

SCHEMATIC DIAGRAMS

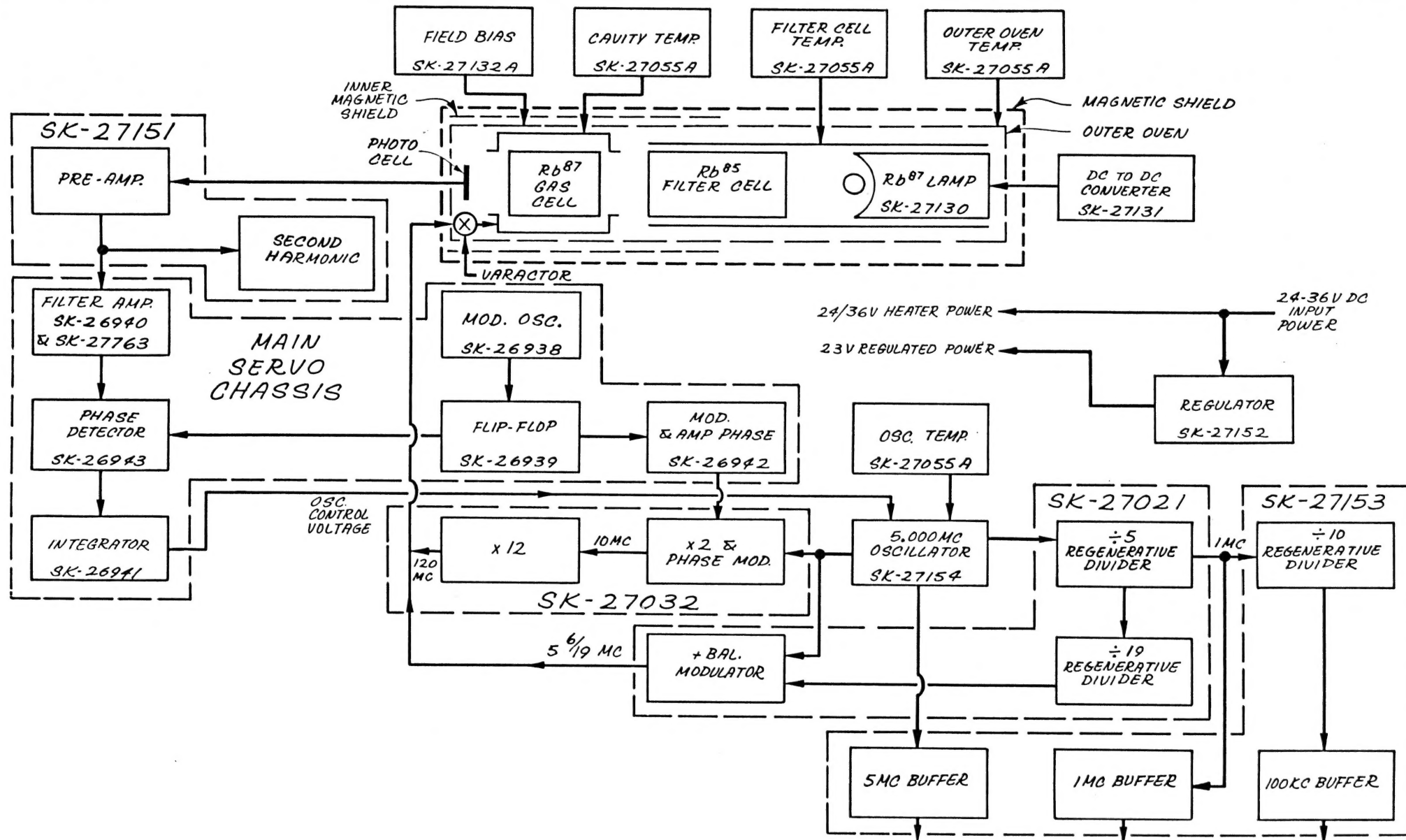
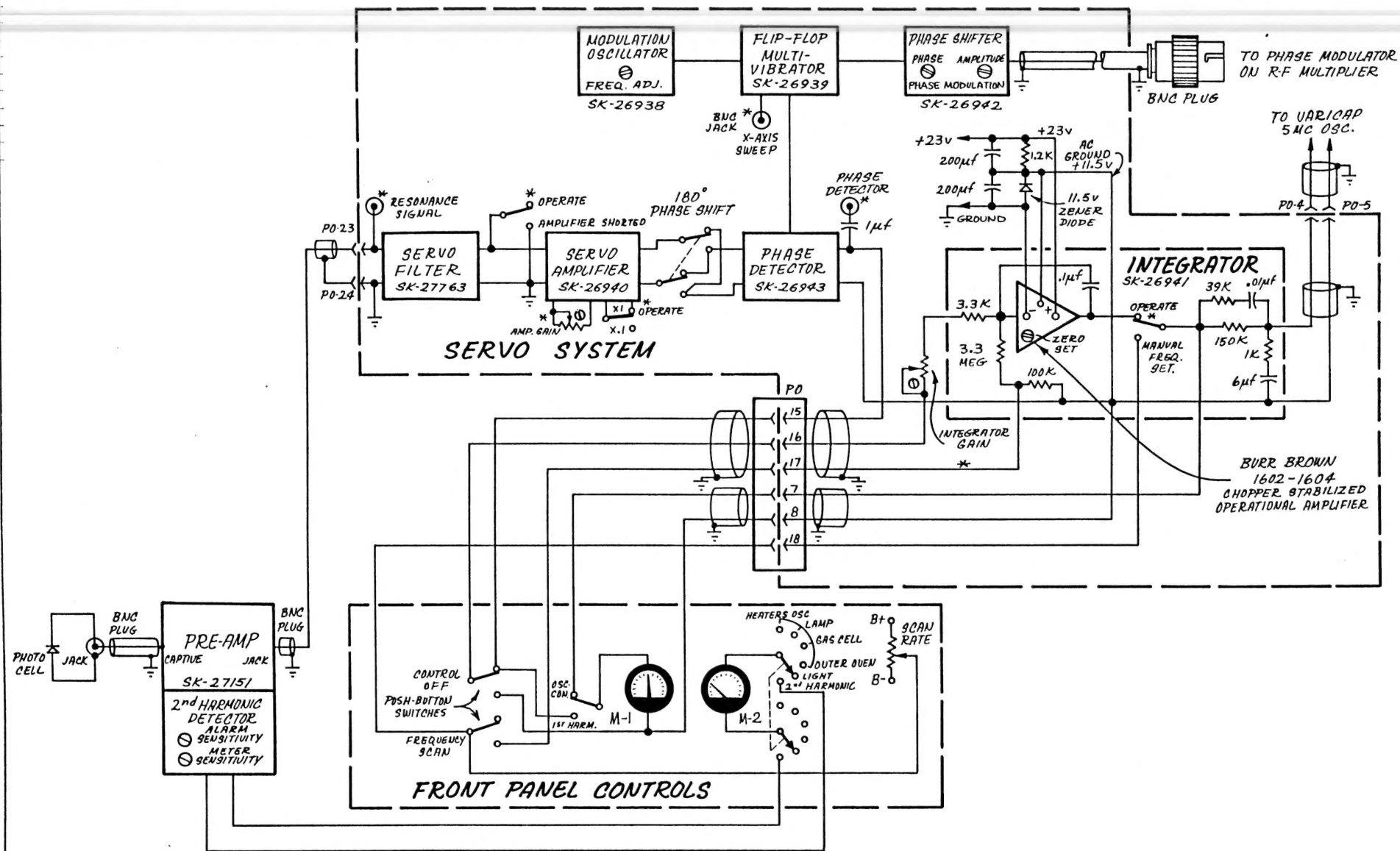
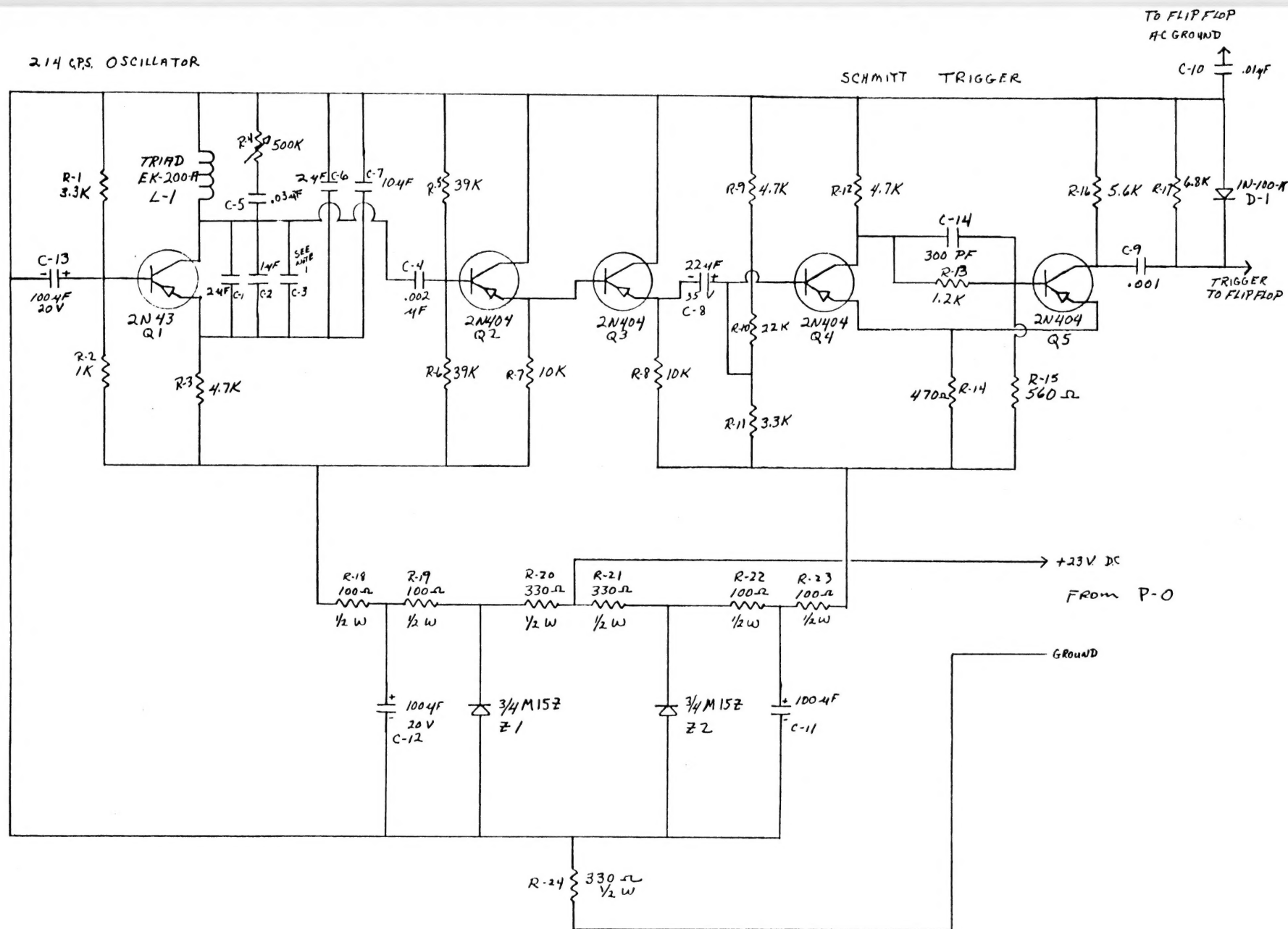


FIGURE 2-4 FREQUENCY STANDARD BLOCK DIAGRAM

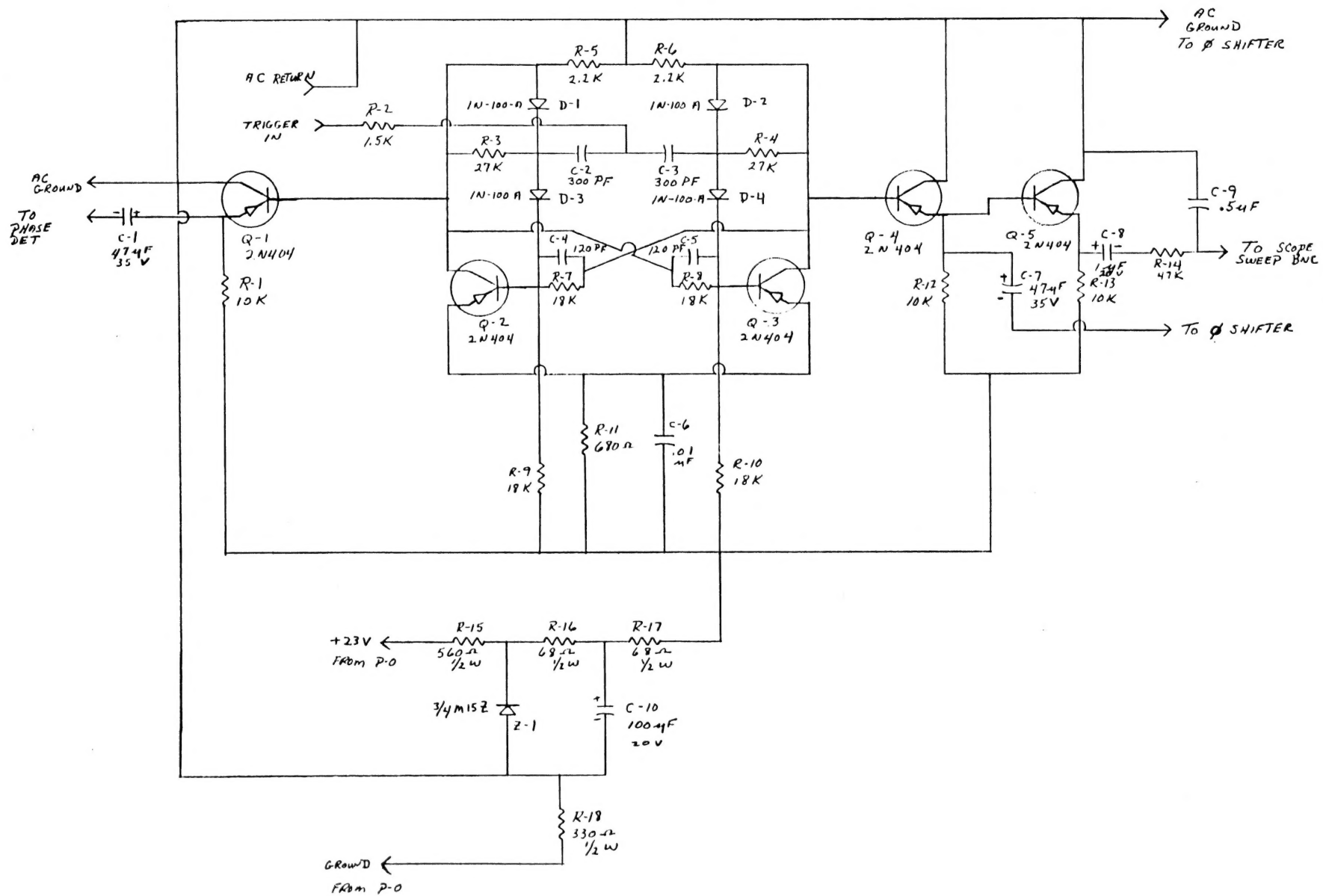


\* NOTE: THESE TEST POINTS AND SWITCHES AND CONTROLS ARE LOCATED ON THE TEST CONTROL PANEL IN THE SERVO SYSTEM.

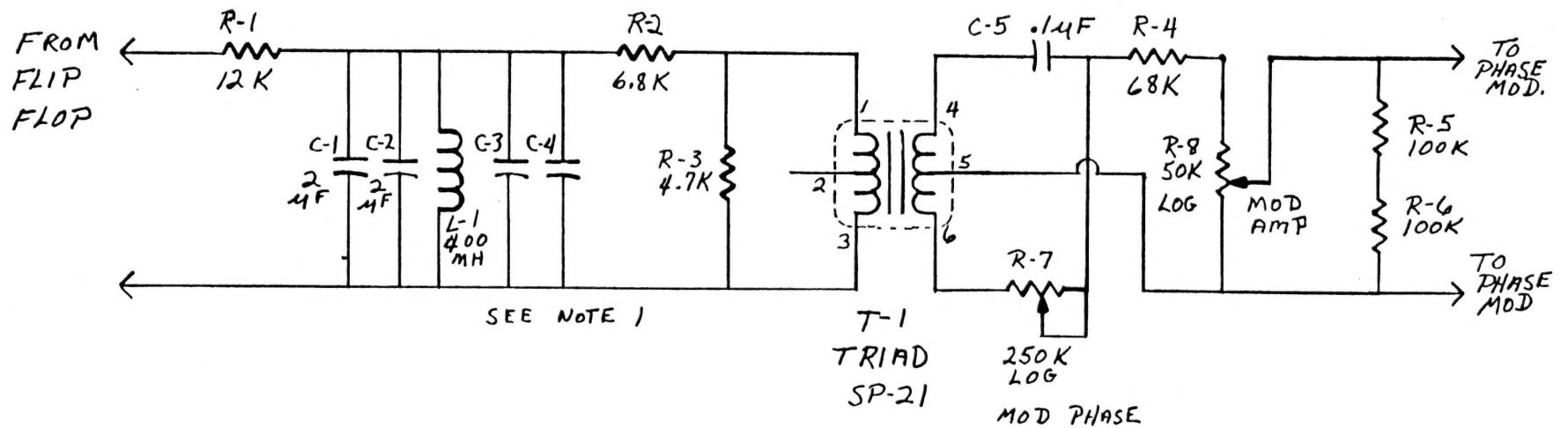
DO NOT SCALE DRAWING	
DRAWN <b>W. HANDLEY</b> CHECKED DATE	DATE <b>2/8/62</b> APPROVED DATE
FINISH OR MFG SPEC. DIVISION CLASS CODE	
VARIAN ASSOCIATES PALO ALTO 8, CALIFORNIA	
C SK27123 SIZE DRAWING NO. REV.	



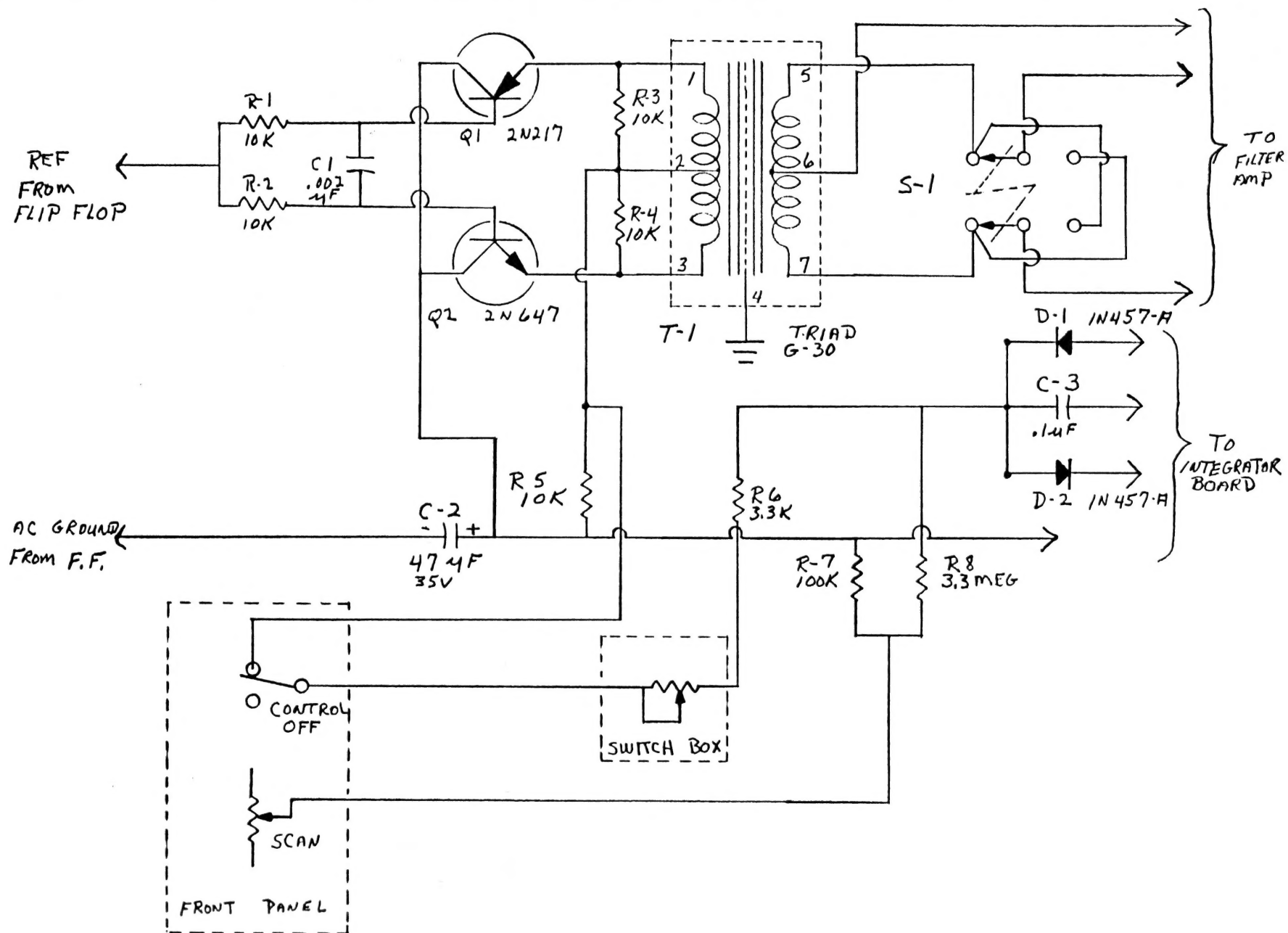
214 C.P.S. OSCILLATOR AND  
SCHMITT TRIGGER SCHEMATIC  
CIR. 20020



FLIP FLOP MULTIVIBRATOR SCHEMATIC  
SK-26039



PHASE SHIFTER SCHEMATIC  
SK-26942

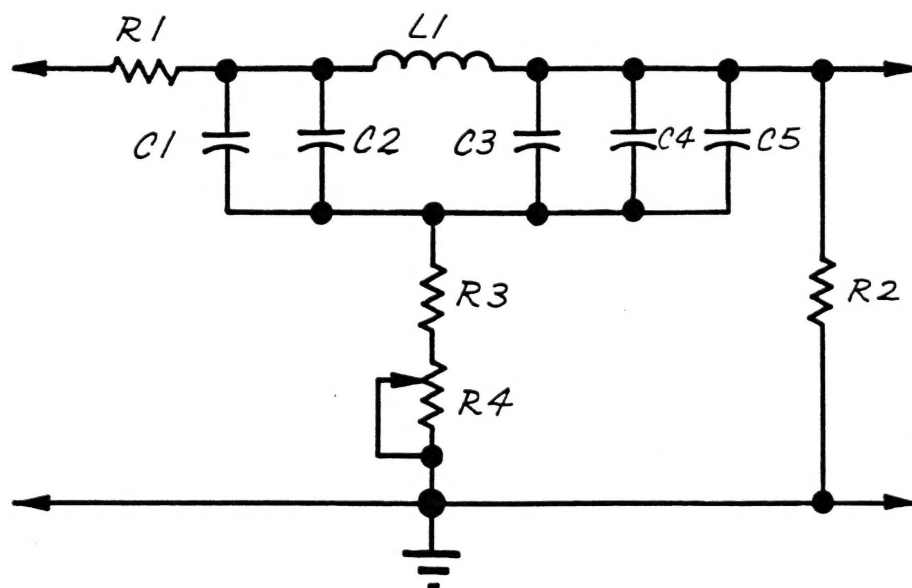


PHASE DETECTOR SCHEMATIC  
SK-26943

DASH NO.	TYPE OR MODEL	NEXT ASSEMBLY	REQ	PART NUMBER	MATERIAL	ITEM
	V-4700A					

A SK-27763

DO NOT SCALE DRAWING



CHANGED FROM

NUM  
ECO  
DFT  
CHK  
DATE  
REV

DRAWN W.W.HANDLEY		DATE 3/20/62		UNLESS OTHERWISE SPECIFIED:			
CHECKED		DATE		APPROVED		DATE	
						FIN. V	
						SCALE	

# SERVO FILTER

FINISH OR MFG SPEC	DIVISION	CLASS	CODE
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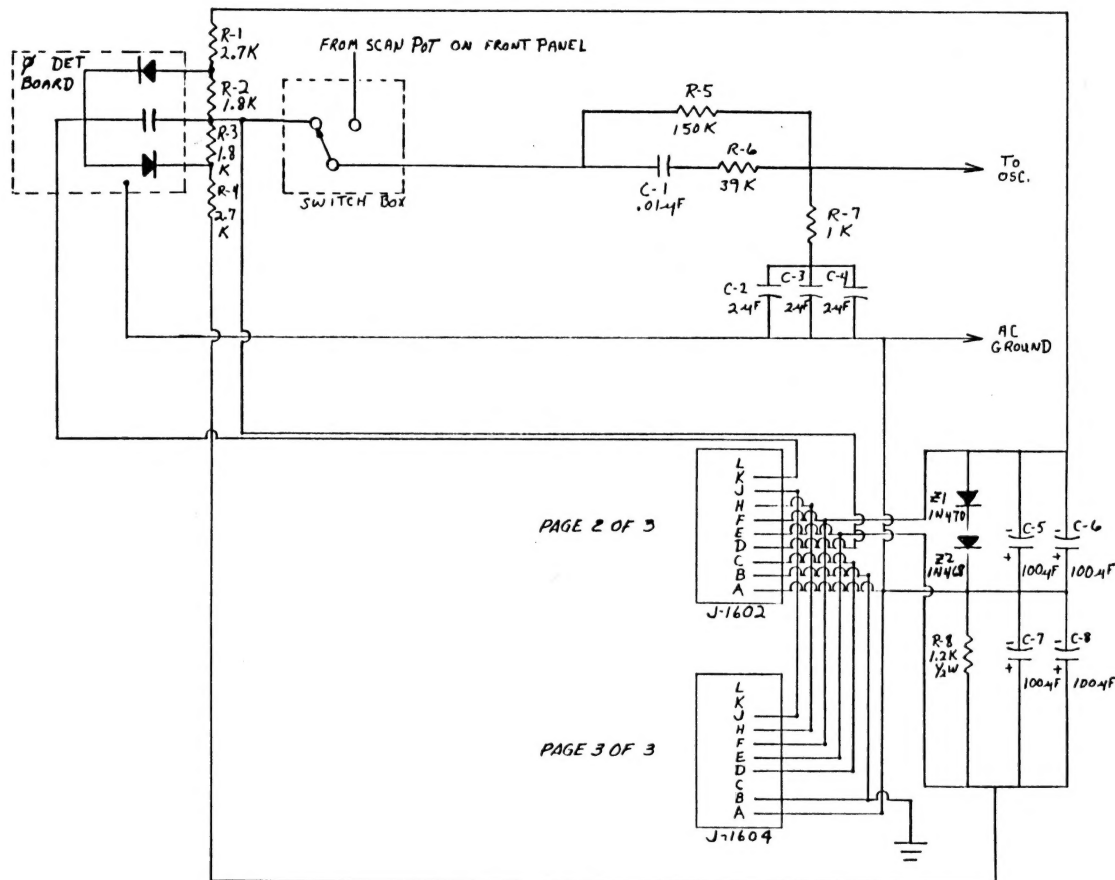


**VARIAN associates**  
PALO ALTO 2, CALIFORNIA

A SK-27763

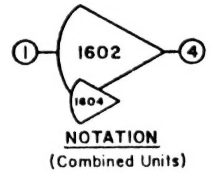
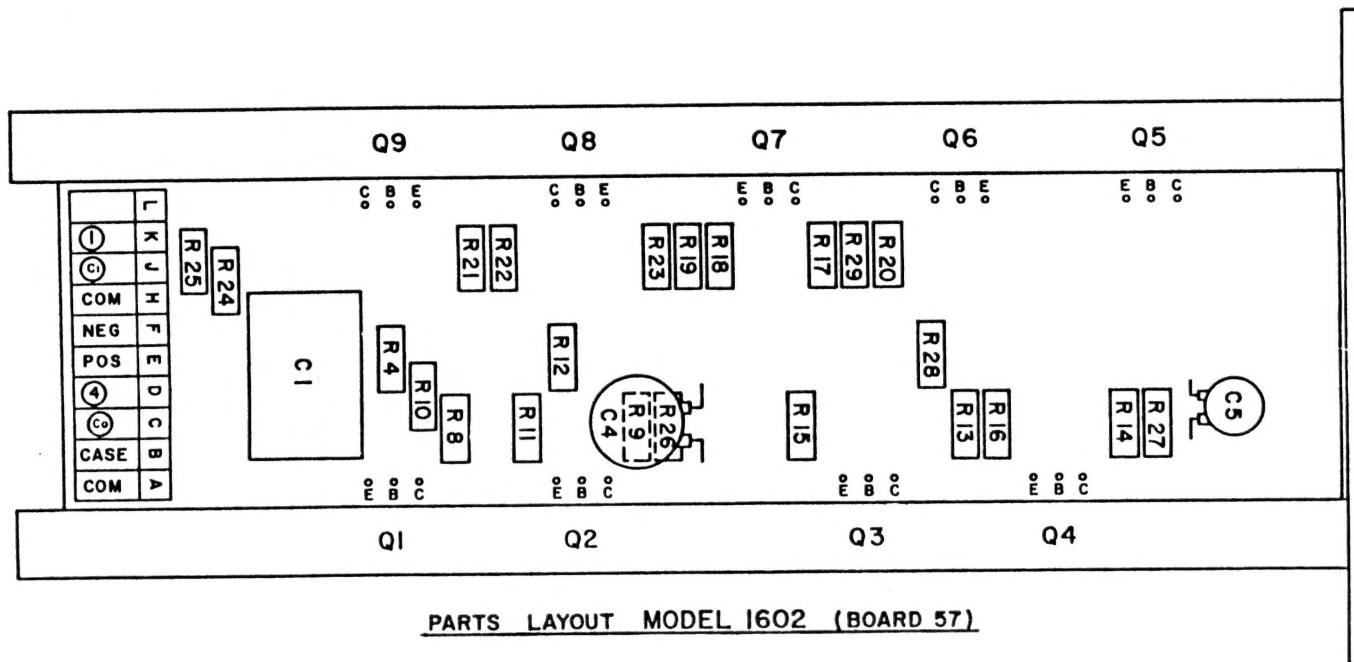
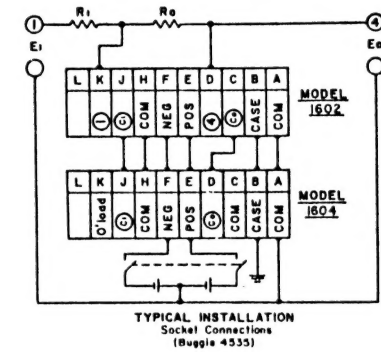
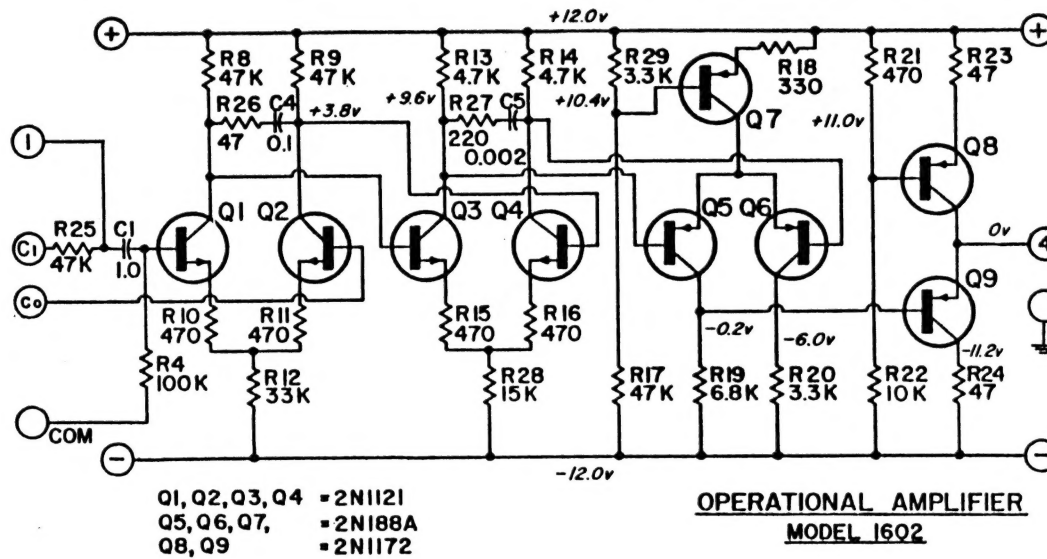
SIZE	DRAWING NO.	REV
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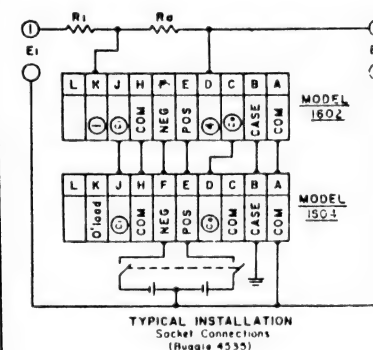
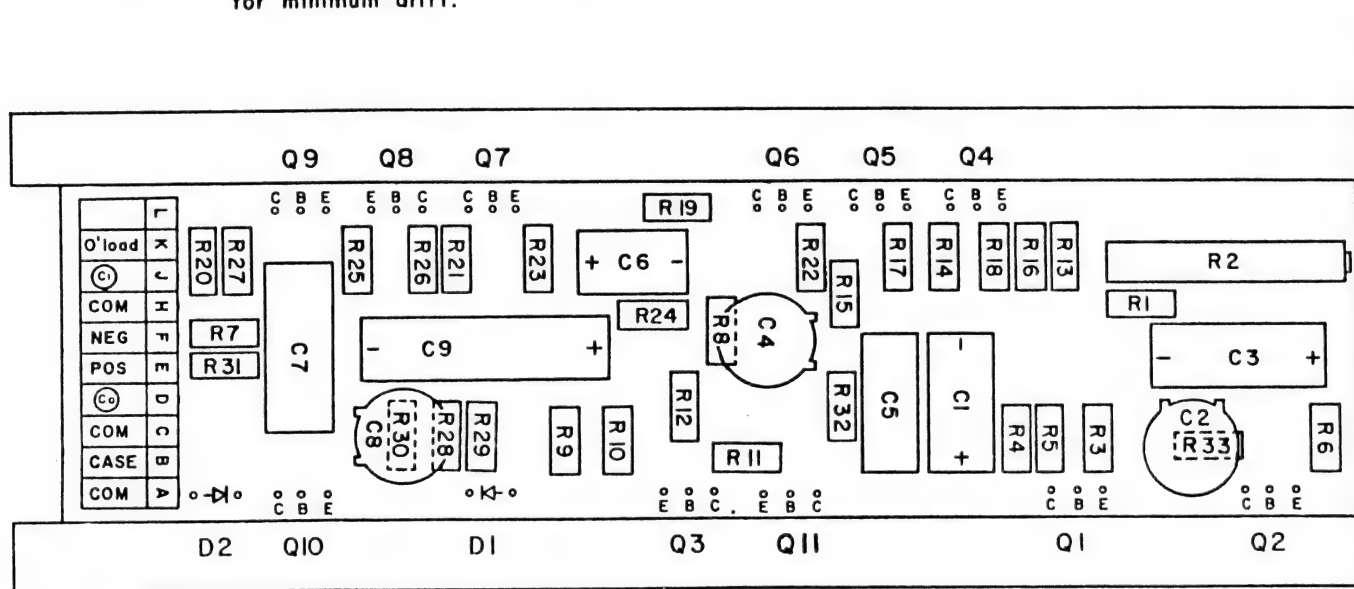
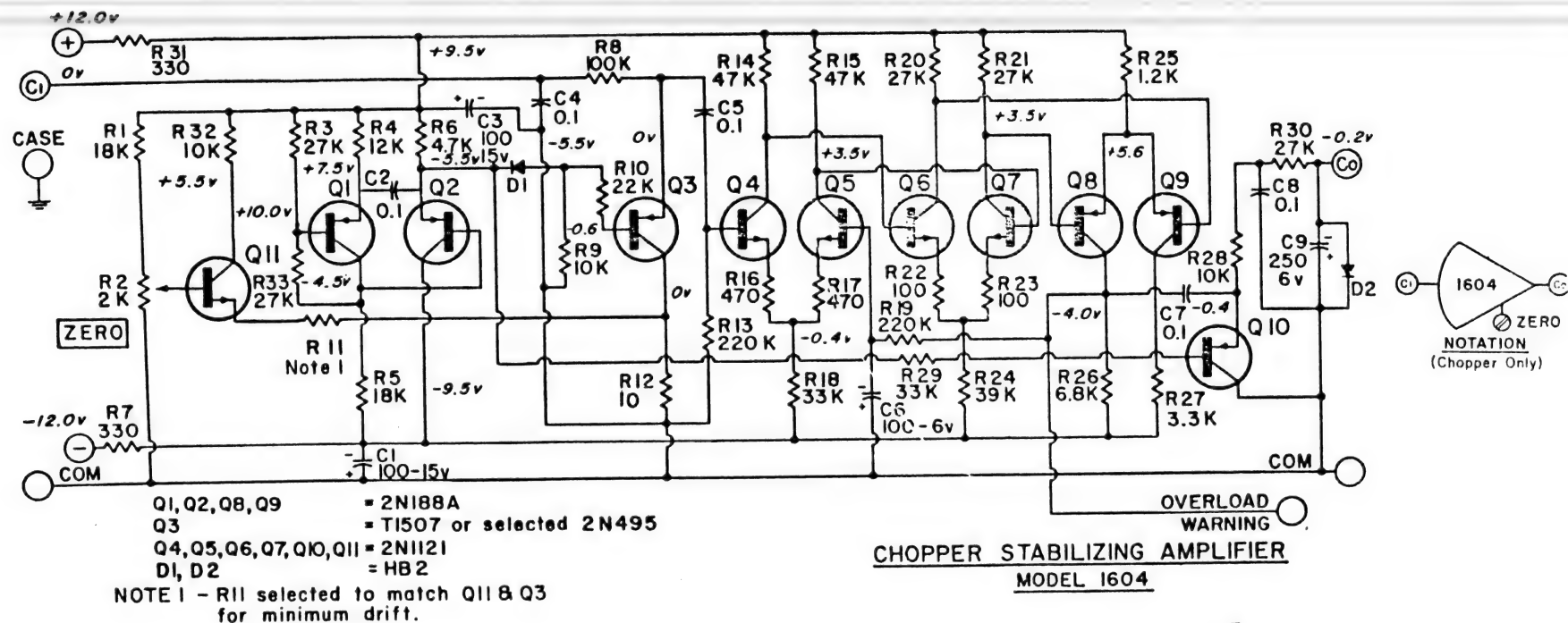


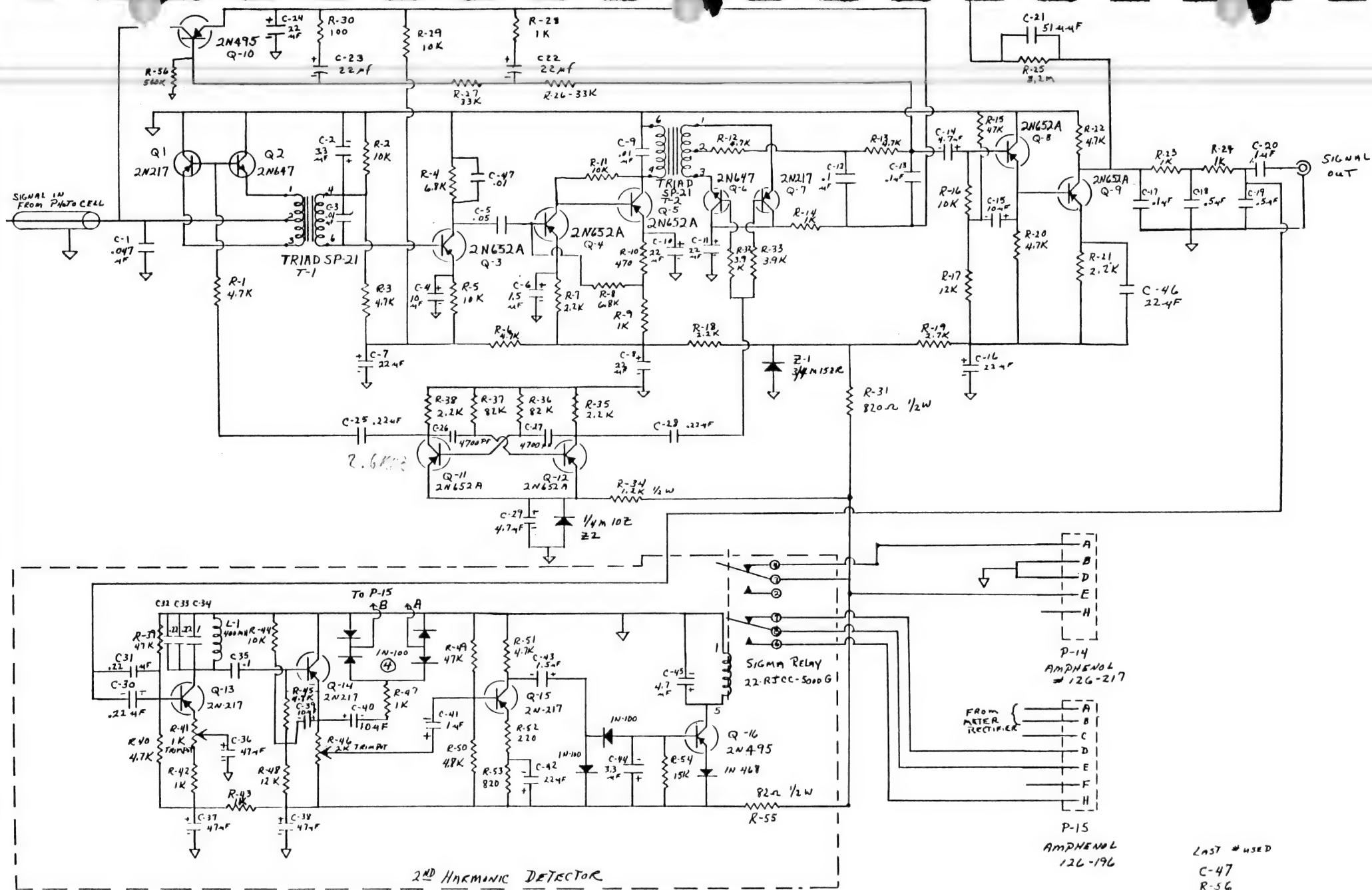


# INTEGRATOR SCHEMATIC

SK-26941



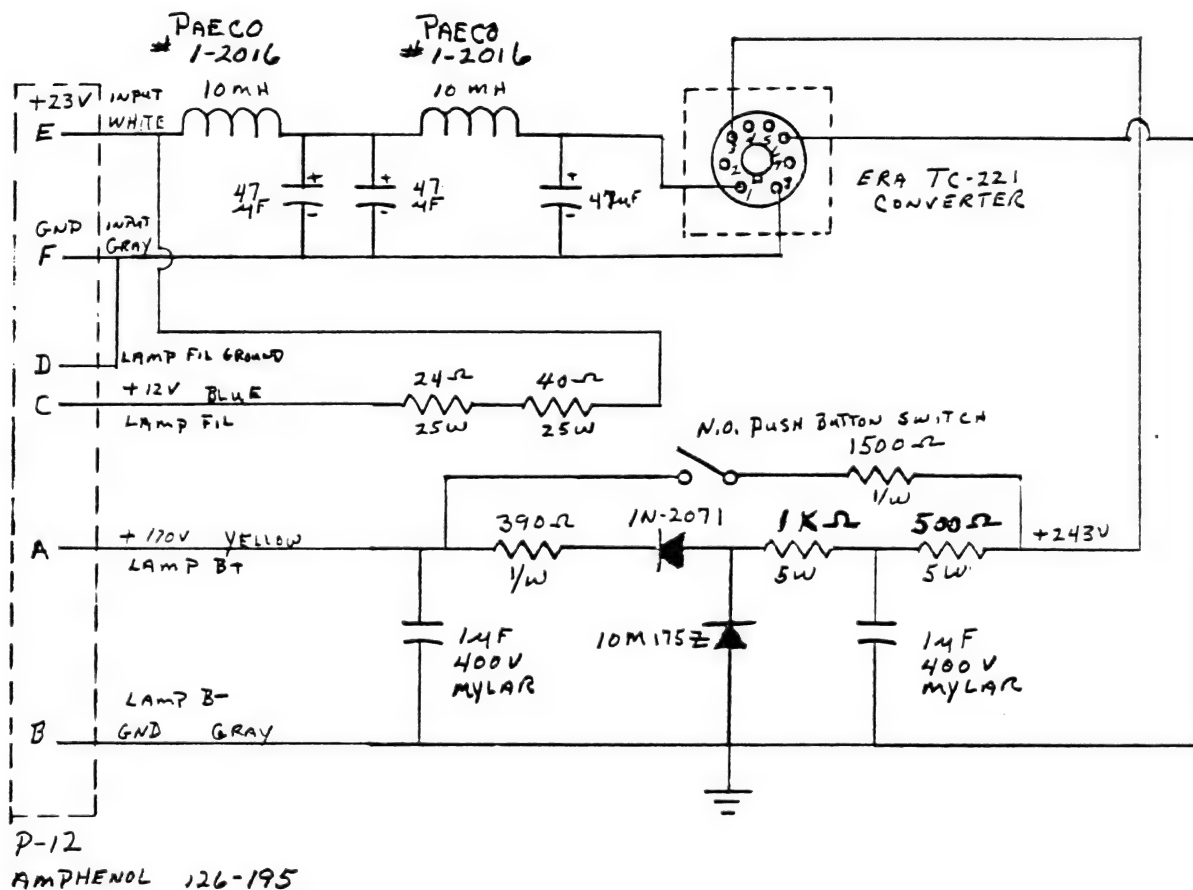




TRANSISTOR PREAMP and 2ND  
HARMONIC DETECTOR SCHEMATIC  
SK-27151A

LAST # USED  
C-47  
R-56



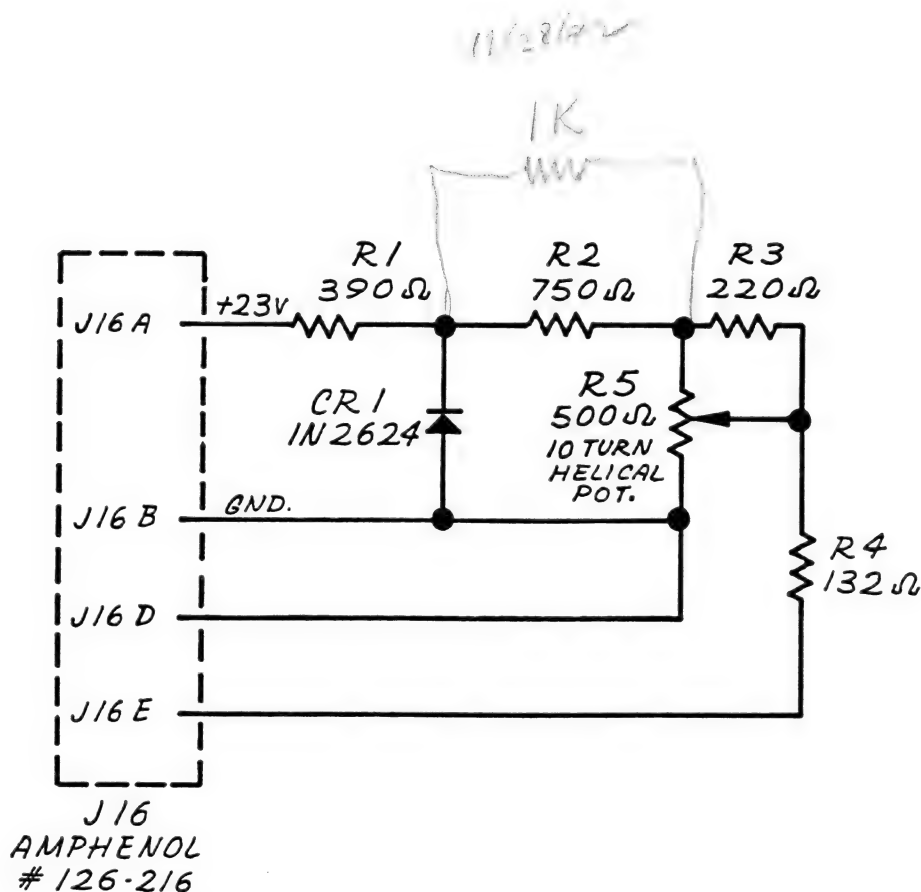


DC-DC CONVERTER SCHEMATIC  
SK-27131

DASH NO.	TYPE OR MODEL	NEXT ASSEMBLY	REQ	PART NUMBER	MATERIAL	ITEM
	V-4700A					

A SK-27/32 R

DO NOT SCALE DRAWING



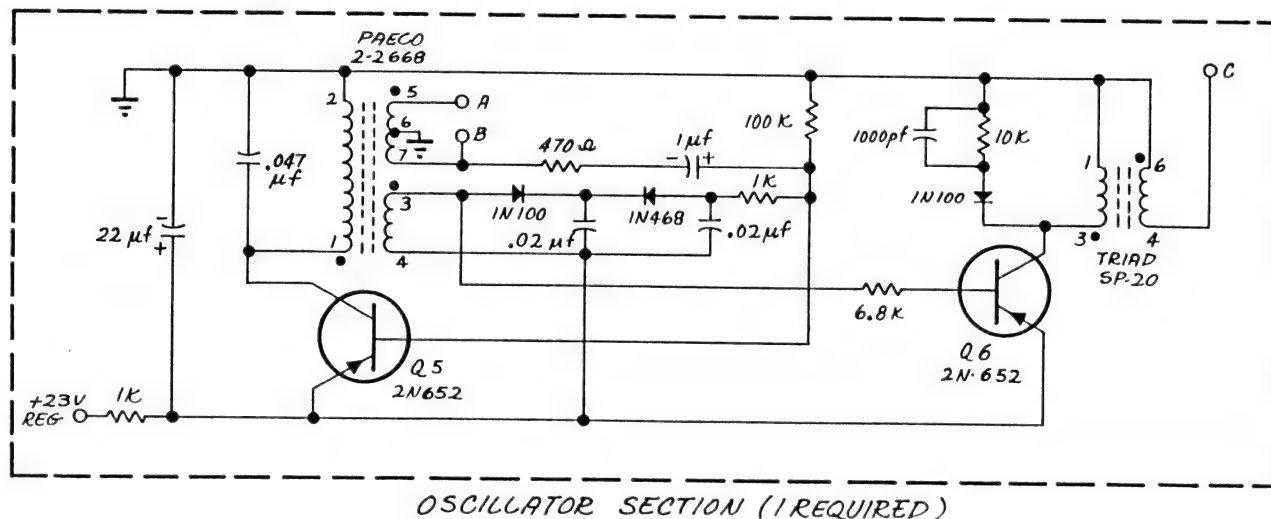
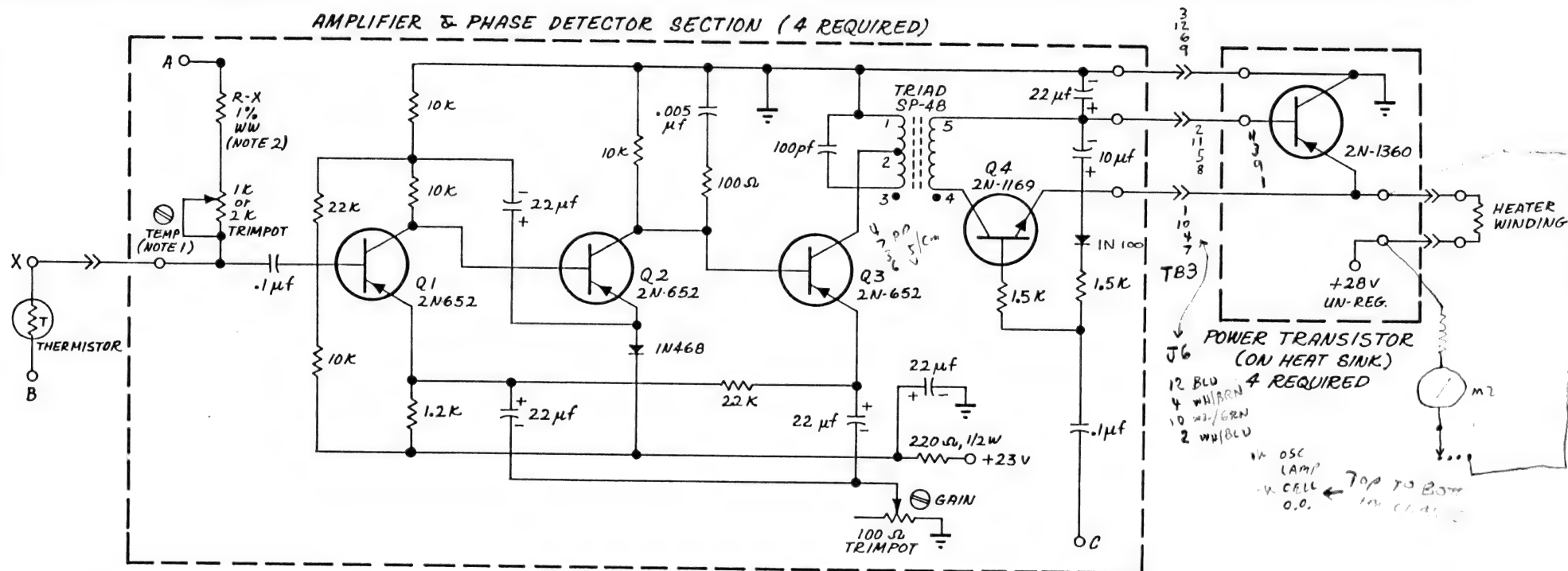
R2 WAS 820Ω  
R3 WAS 200Ω  
R4 WAS 100Ω  
THIS REVISION APPLIES TO X-4700, #3  
& SUBSEQUENT UNITS

DRAWN W.W. HANDLEY CHECKED	DATE 3/20/62 DATE	UNLESS OTHERWISE SPECIFIED: FRAC ±    DEC ±    ANG ±    FIN. ✓ APPROVED    DATE    SCALE			
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## FIELD BIAS SCHEMATIC

NUM	
ECO	
DFT	W.W. HANDLEY
CHK	
DATE	3/20/62
REV	A

FINISH OR MFG SPEC	DIVISION	CLASS	CODE
VARIAN associates PALO ALTO 2, CALIFORNIA		A SK-27/32	A
SIZE		DRAWING NO.	



**NOTES:**

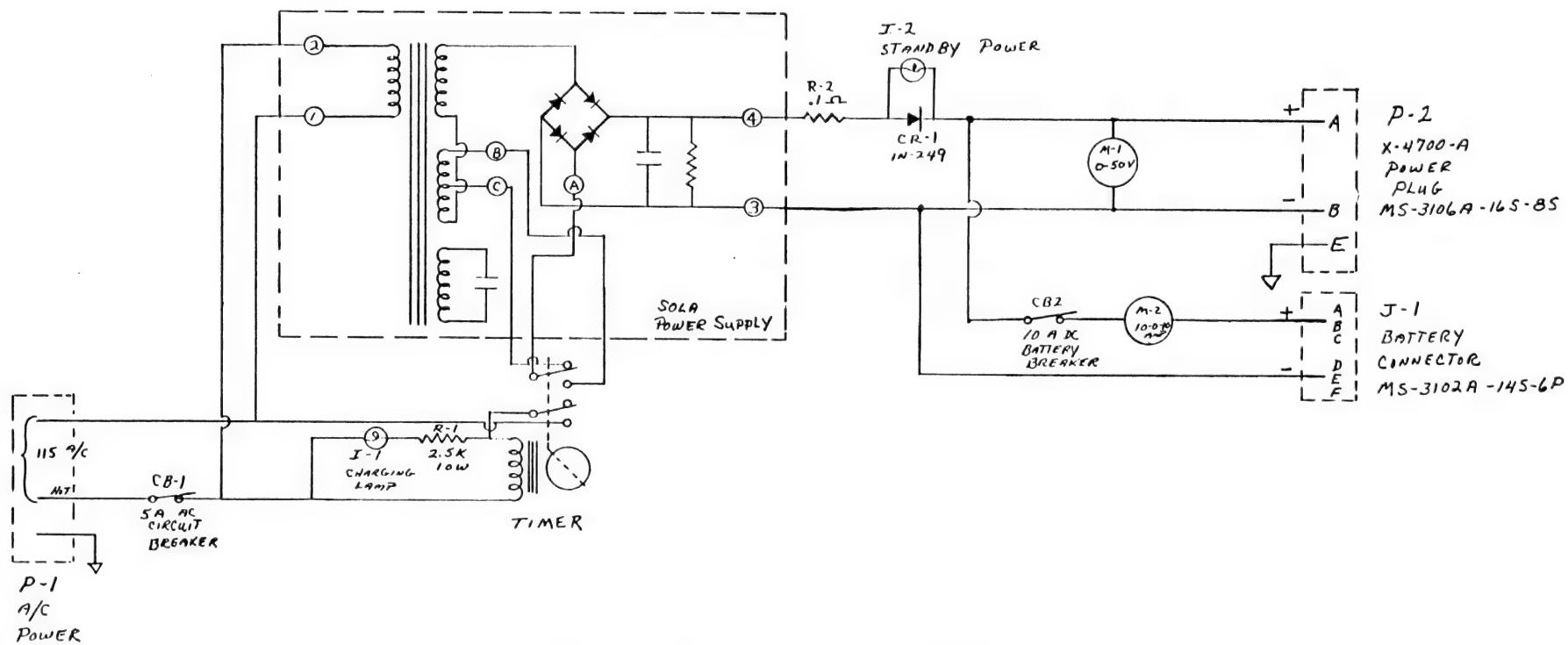
1. 3 BOARDS, 2K; 1 BOARD, 1K.
2. R-X IS SELECTED FOR EACH AMPLIFIER SECTION.
3. pf = μμf

SK-27055 A

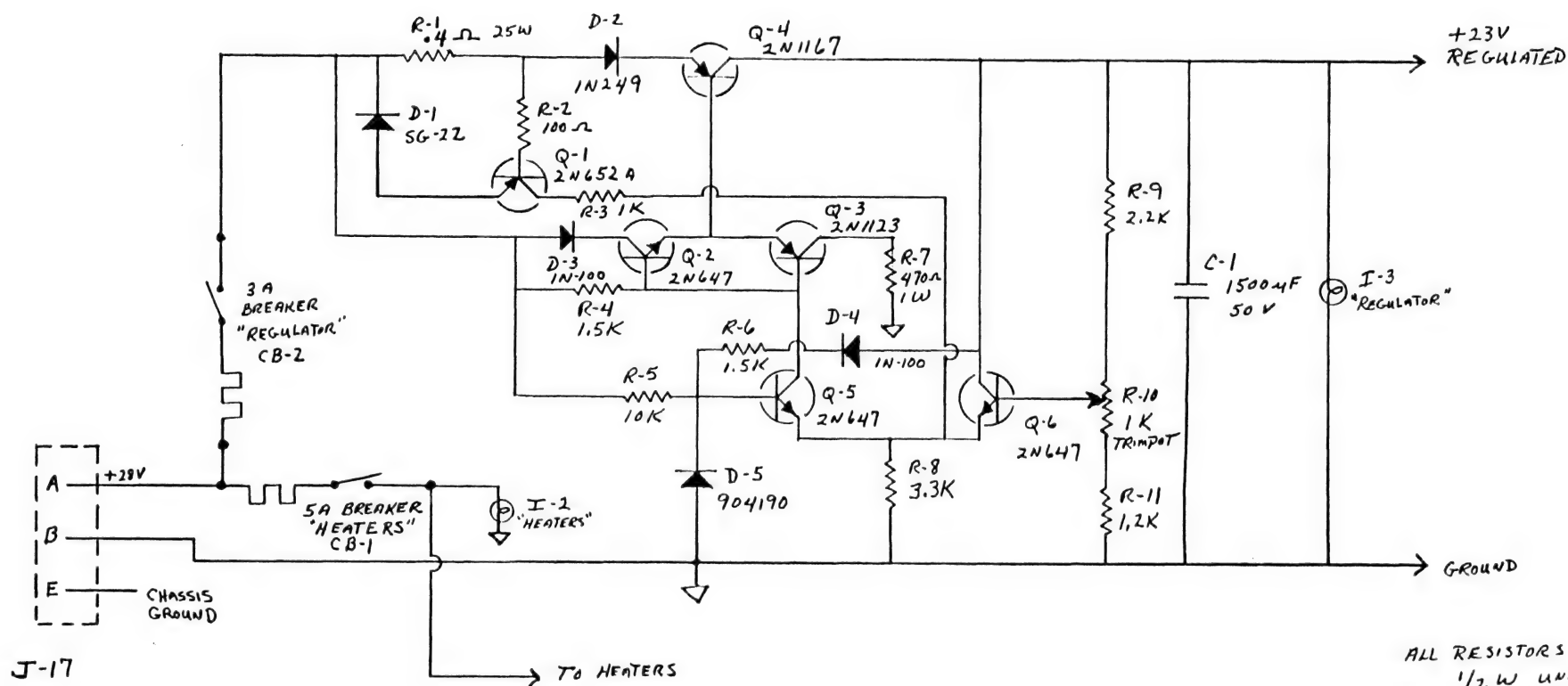
**TEMPERATURE CONTROLLER SCHEMATIC**

SK-27055 A

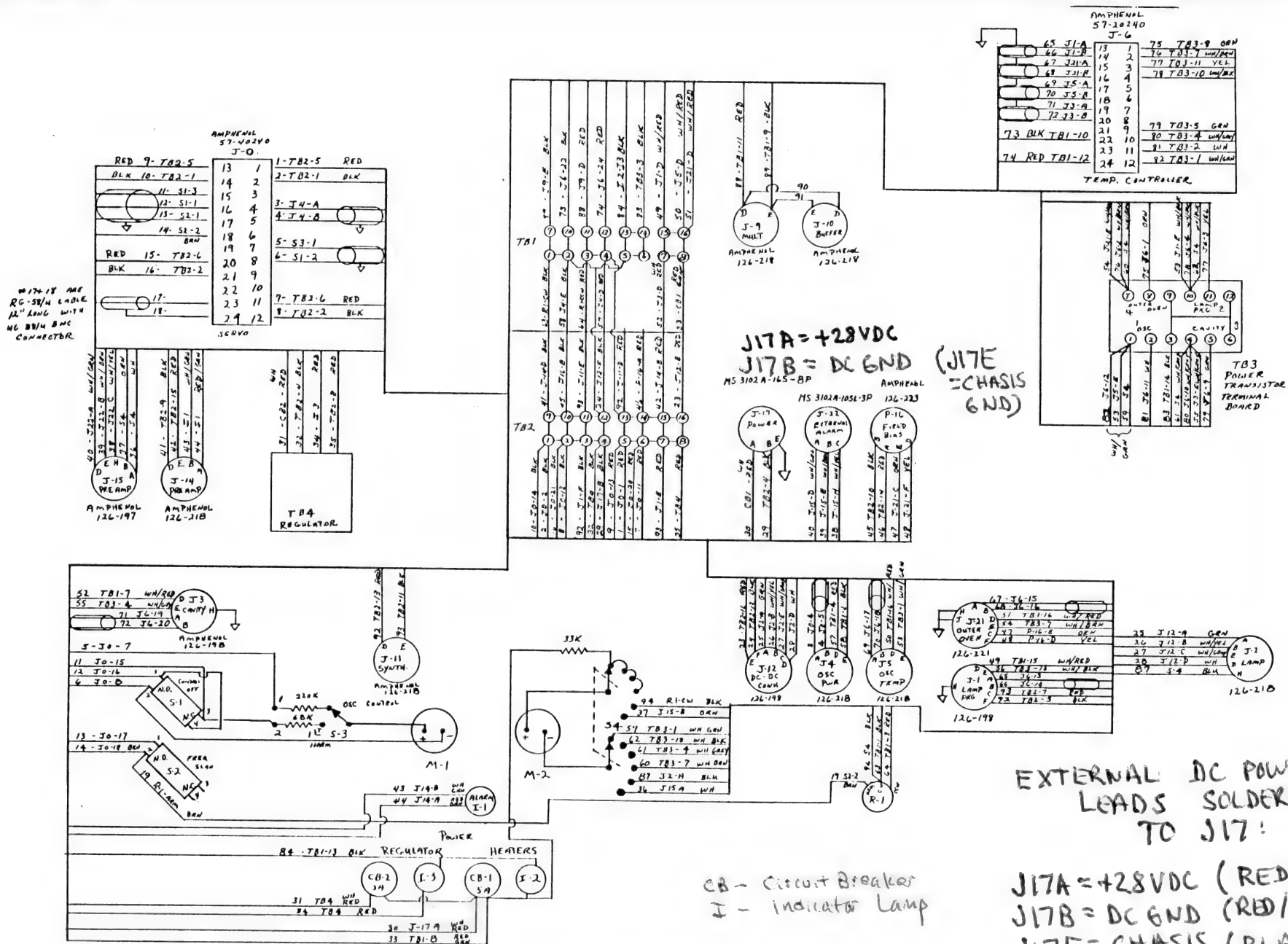


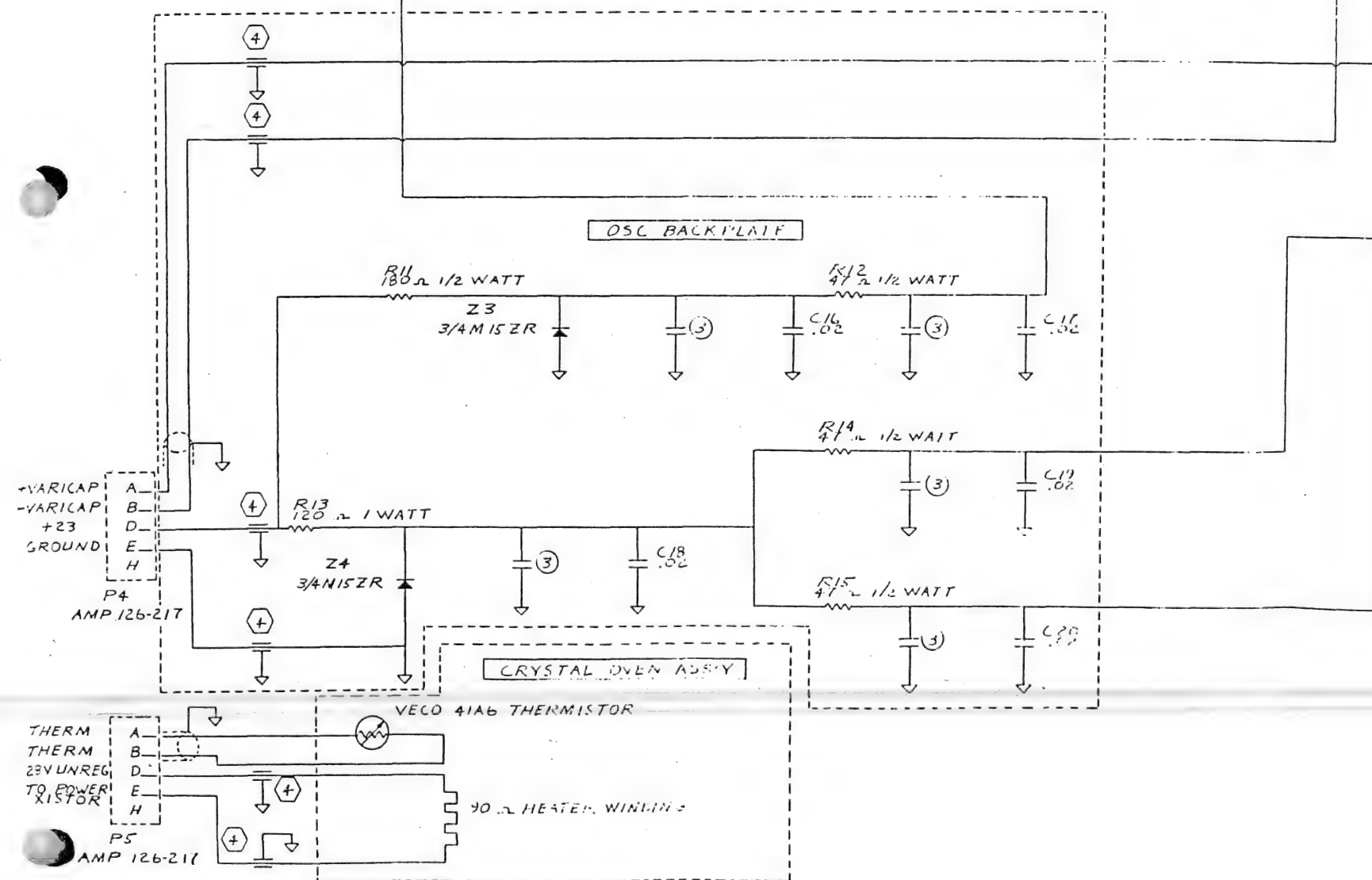
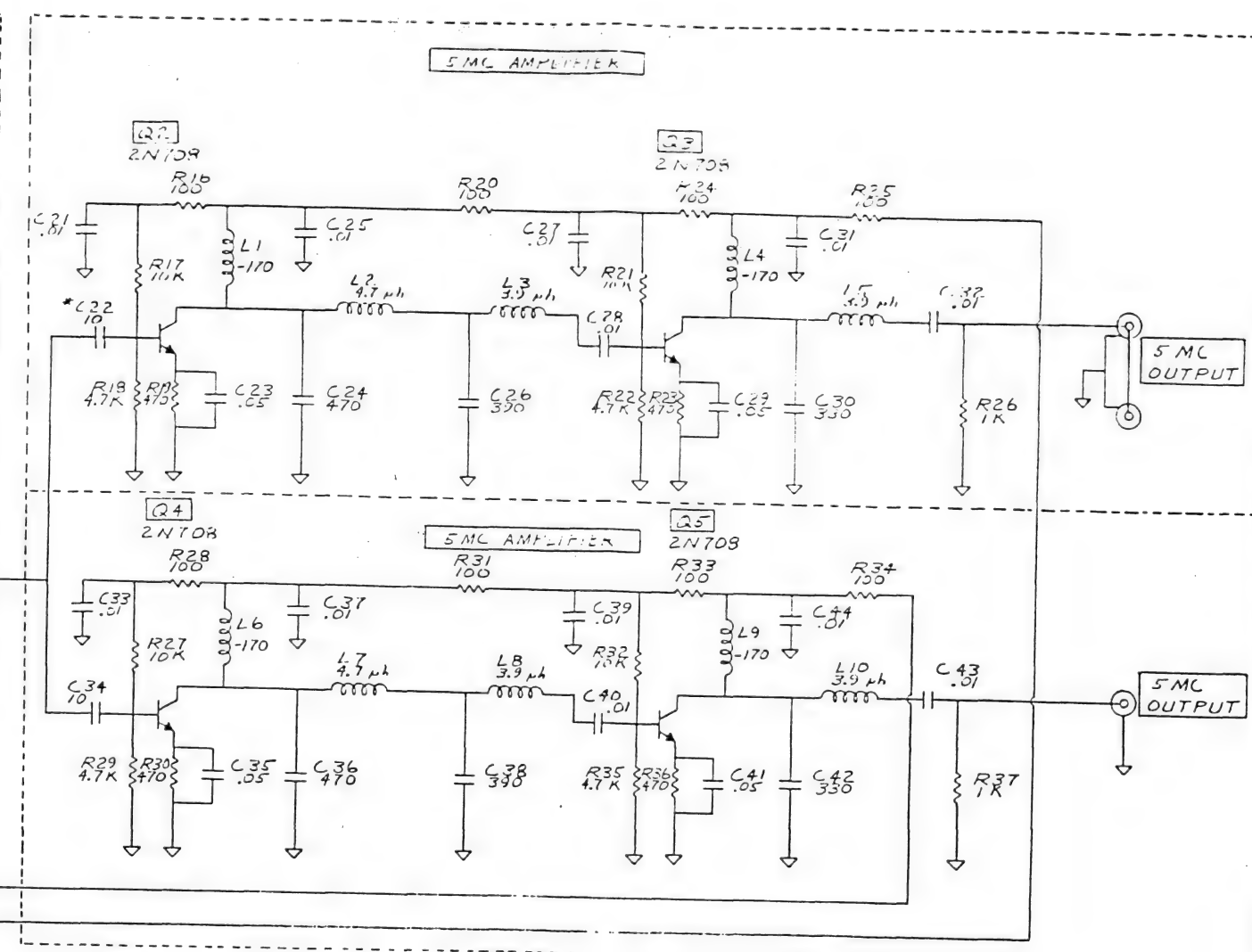
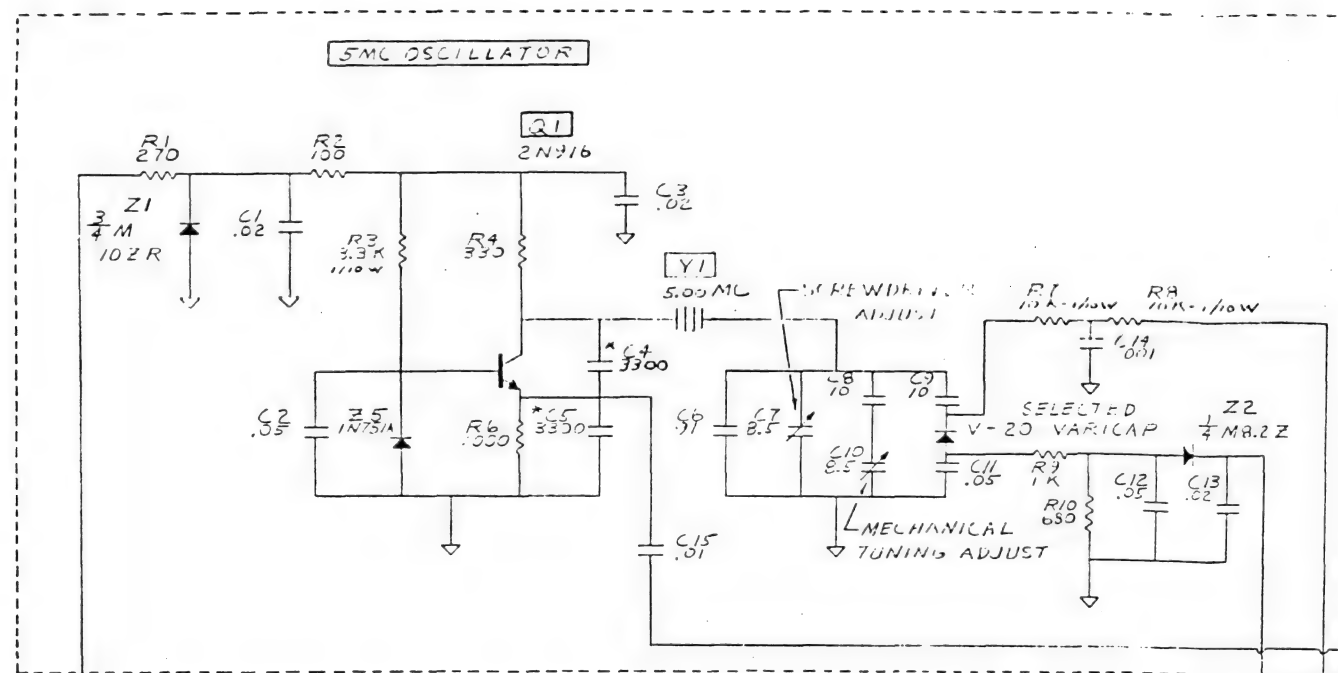


**V-4760 POWER SUPPLY SCHEMATIC**  
**SK-27133A**



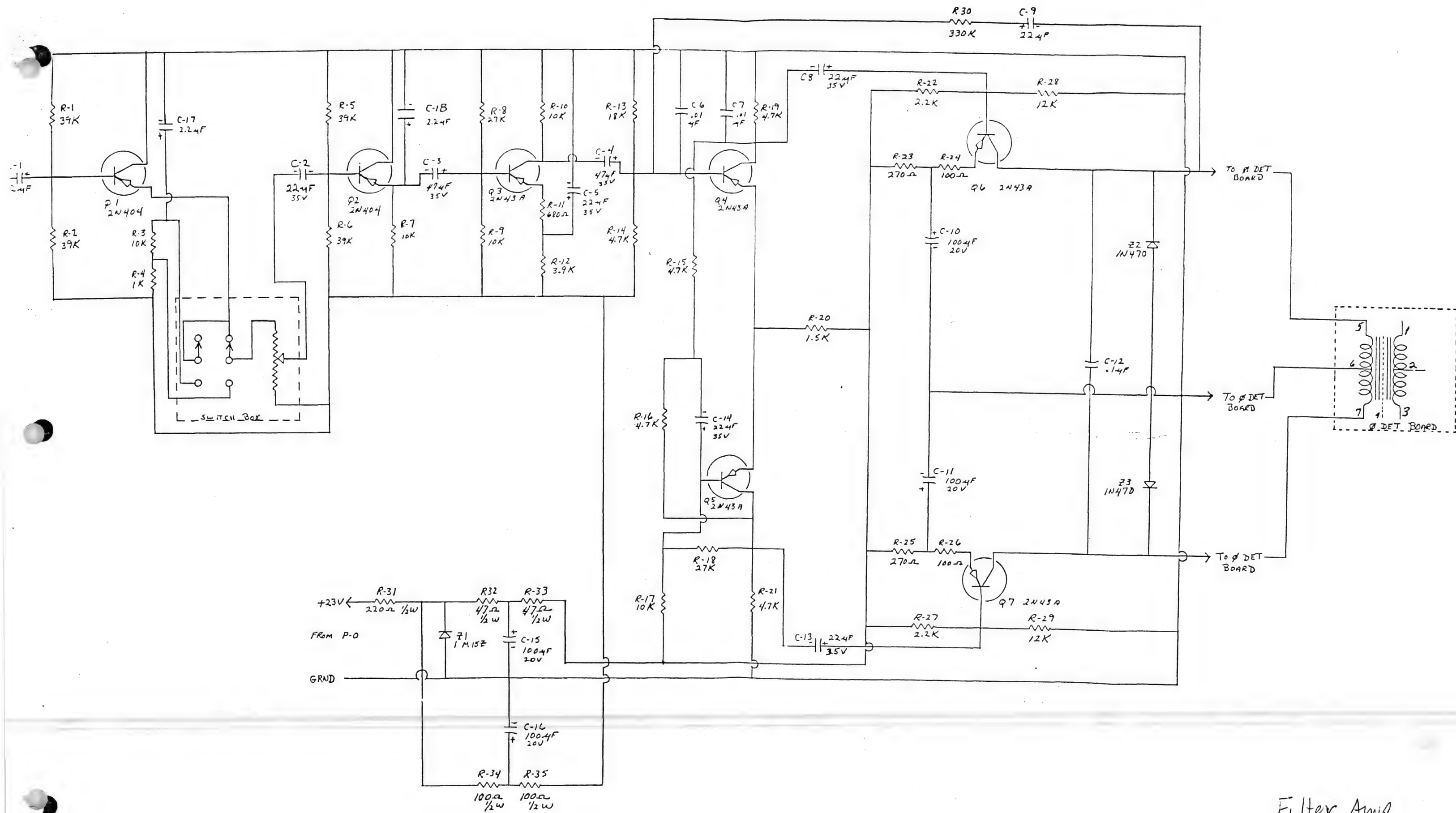
VOLTAGE REGULATOR SCHEMATIC  
SK-27152



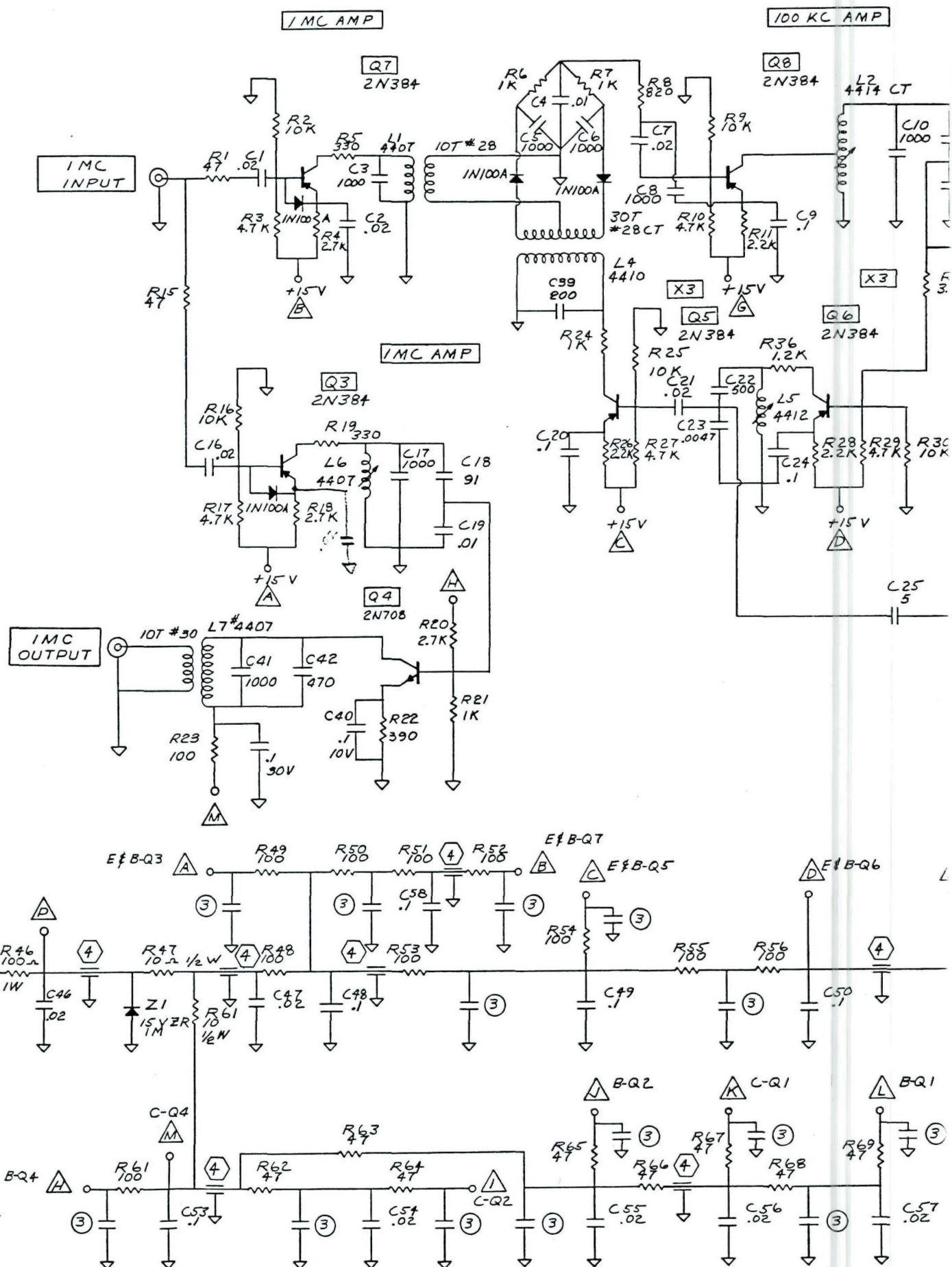


- NOTE-
1. \* EXACT VALUE TO BE SELECTED IN TEST.
  2. RESISTOR VALUES ARE 1/4 WATT UNLESS OTHERWISE SPECIFIED.
  3. (3) INDICATES 1200 PF STANDOFF -5
  4. (4) INDICATES 1200 PF FEED THRU -6
  5. L1, L4, L6, L9 CORES ARE MICROMETALS T30-4 & ARE FULL WOUND WITH #32 FORMVAR WIRE TO RESONATE WITH 170 PF AT 5 MC.
  6. DOTTED LINES INDICATE SEPARATE ASS'YS.

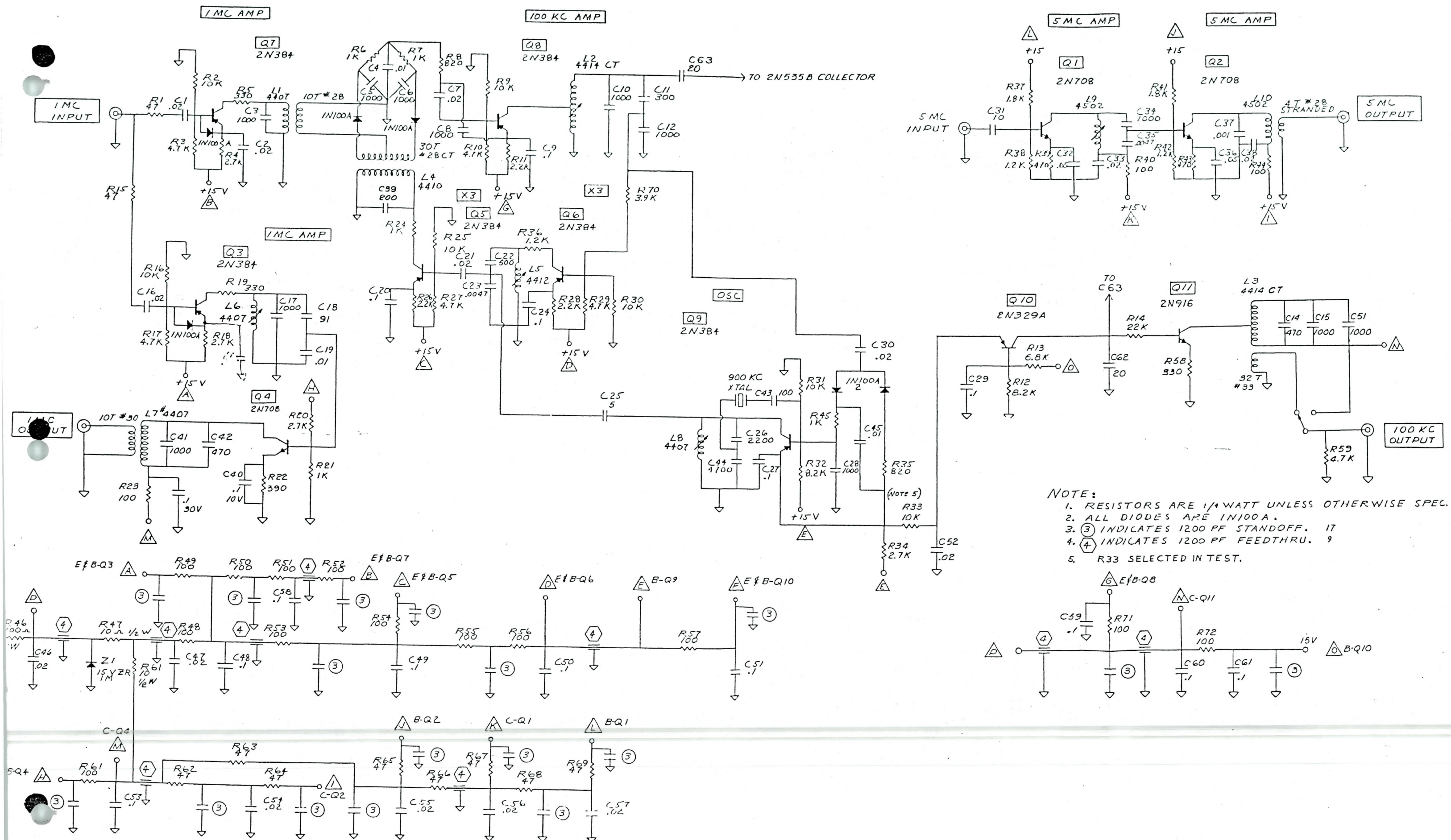
5 MC OSCILLATOR SCHEMATIC  
SK-27154



FILTER AMPLIFIER SCHEMATIC  
SK-26940

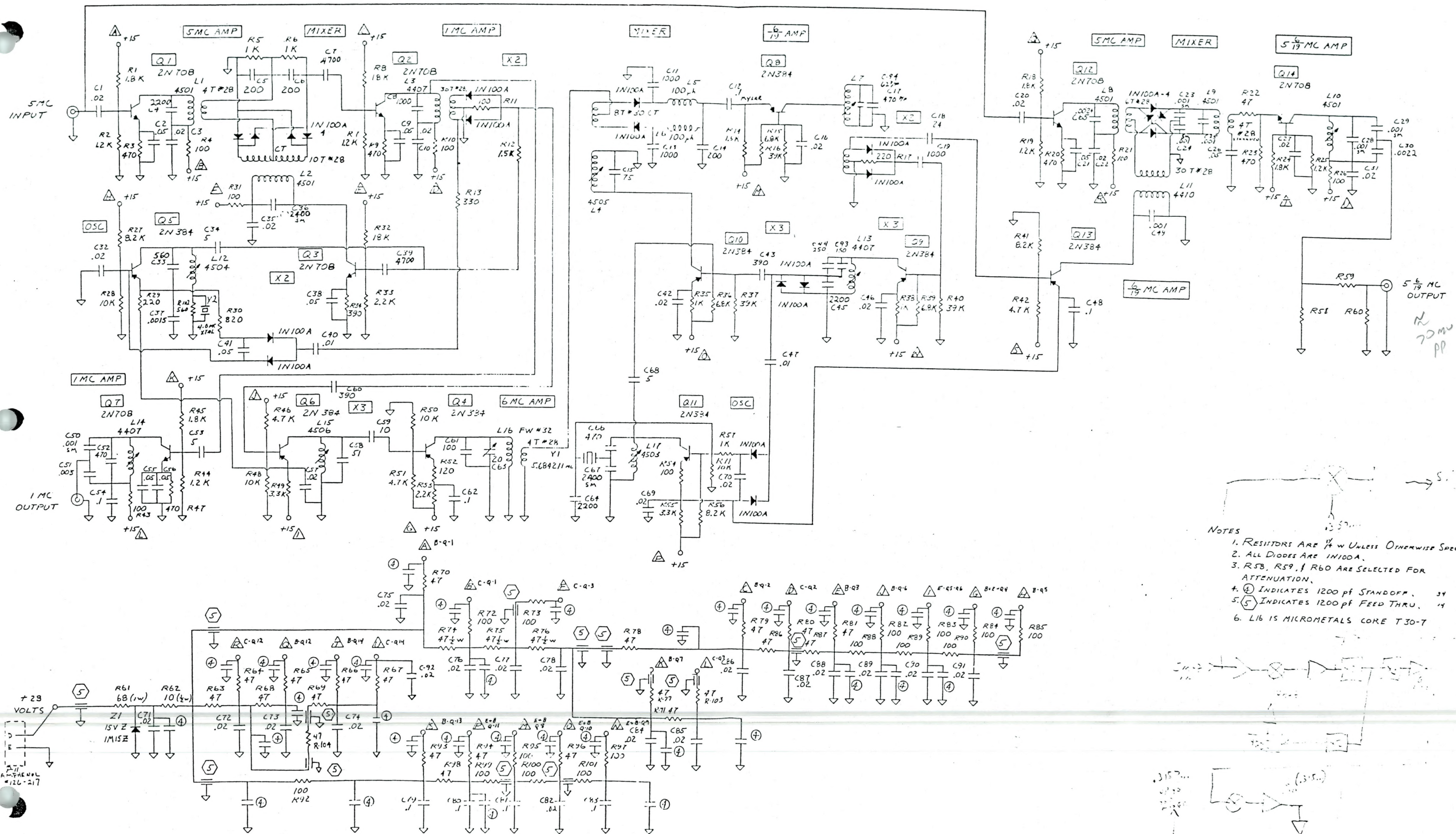






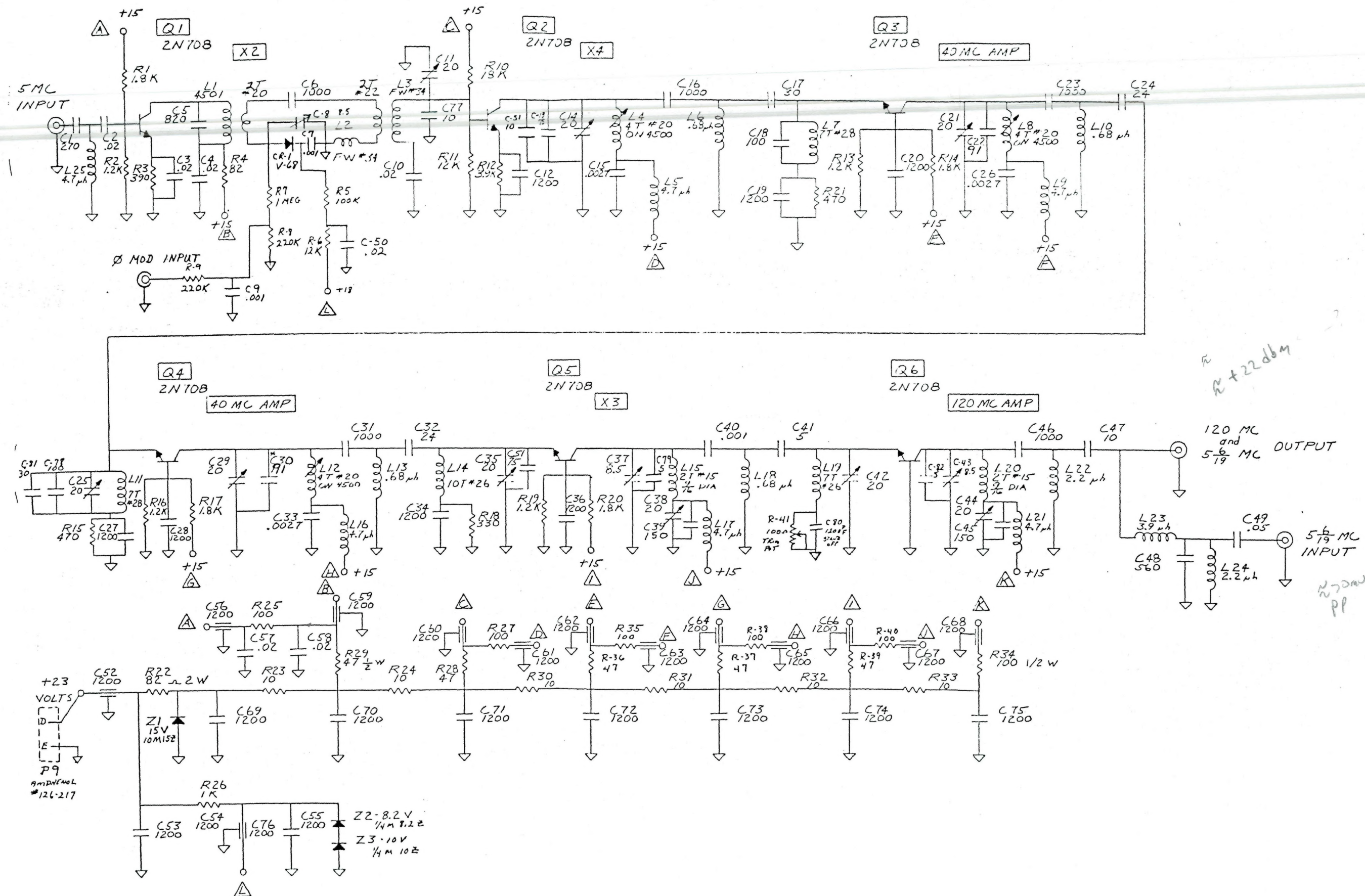
BUFFER BOX SCHEMATIC FOLDOUT  
5 MC OUTPUT (SK-27153A)





SYNTHESIZER SCHEMATIC  
SK-27021





MULTIPLIER SCHEMATIC  
SK-27032